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(54) OIL-HYDRAULIC DAMPER

(57) Abstract:

PURPOSE: To have a generative action of large damping force under specific resonance by furnishing a control circuit for damping force outside the cylinder and thereby adjusting the oil amount in passage, provided that drop of the damping force shall be attained at times other than the above-mentioned.

CONSTITUTION: Outside the cylinder 1 is furnished a control circuit 40 for damping force, one side of which is put in communication with an upper chamber A inside the cylinder 1, the other side being in communication with a lower chamber B inside the same. Resonance elements 42a, 42b in this control circuit 40 do not block medium and small holes 41' while moving vertically to a minor extent, but block a minor hole 41 when moving vertically to a great magnitude. Therefore, when the piston 3 is in expansion stroke and, at the same time, both resonance elements 42a, 42b move vertically to a great extent, the control circuit 40 is closed, so that a desired large damping force is attained, while the control circuit 40 is open when the element 42a, 42b move

vertically to a minor magnitude to cause a restrictive generation of small damping force.

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